

Title (en)

CARBON NANOTUBE-FILLED COMPOSITES

Title (de)

MIT KOHLENSTOFFNANOR HRCHEN GEF LLTE VERBUNDWERKSTOFFE

Title (fr)

COMPOSITES REMPLIS DE NANOTUBES DE CARBONE

Publication

**EP 1534774 A2 20050601 (EN)**

Application

**EP 03739258 A 20030619**

Priority

- US 0319664 W 20030619
- US 39012902 P 20020619
- US 46404103 A 20030618

Abstract (en)

[origin: WO2004001107A2] A method of forming carbon nanotube-filled composites using miniemulsion polymerization. The carbon nanotubes are preferably single-walled carbon nanotubes. The carbon nanotubes are highly dispersed within and associated with the polymer comprising the composite.

IPC 1-7

**C08K 3/04**

IPC 8 full level

**B01F 11/02** (2006.01); **B01F 17/02** (2006.01); **B01F 17/16** (2006.01); **B01F 17/32** (2006.01); **B01F 17/42** (2006.01); **B01J 13/00** (2006.01); **B01J 23/28** (2006.01); **B01J 23/75** (2006.01); **B82B 1/00** (2006.01); **B82B 3/00** (2006.01); **C01B 31/02** (2006.01); **C08F 2/44** (2006.01); **C08J 5/00** (2006.01); **C08K 3/04** (2006.01); **C08K 7/24** (2006.01); **C09K 23/02** (2022.01); **C09K 23/16** (2022.01); **C09K 23/32** (2022.01); **C09K 23/42** (2022.01)

IPC 8 main group level

**D01F** (2006.01)

CPC (source: EP US)

**B82Y 30/00** (2013.01 - EP US); **C08J 5/005** (2013.01 - EP US); **C08K 3/04** (2013.01 - EP US); **C08K 2201/011** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

**WO 2004001107 A2 20031231**; **WO 2004001107 A3 20040603**; AU 2003245631 A1 20040106; BR 0311890 A 20050405; CA 2489352 A1 20031231; CN 1662590 A 20050831; EP 1534774 A2 20050601; EP 1534774 A4 20060726; JP 2005530029 A 20051006; MX PA04012506 A 20050224; US 2007004857 A1 20070104; US 7153903 B1 20061226

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